

NEWS AND NOTES

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THE THIRTY-THIRD ANNUAL MEETING OF THE AMERICAN MOSQUITO CONTROL ASSOCIATION IN NEW ORLEANS WAS A GRA-A-AND SUCCESS (as was the 19th Annual Meeting of the LOUISIANA MOSQUITO CONTROL ASSOCIATION by coincidence), thanks to the hard work of President BRUCE FRANCY, Executive Director TOMMY MULHERN, General Manager GEORGE CARMICHAEL, Program Chairman PAUL HUNT and many, many others. No less than 650 people attended the Early Bird Mixer on Sunday night, perhaps not surprising, for NO ONE dawdles around arriving at New Orleans, though they may drag their feet a mite on leaving! On Tuesday evening, some 850 people walked the four blocks from the Marriott on the edge of the French Quarter to the paddle-wheeled steamboat, "The President," to enjoy a ride on the Mississippi, a LUSCIOUS buffet and dancing to a New Orleans jazz-band *veritable*.

Fourteen Past Presidents were in attendance at the meetings: ROLLIE DORER, DICK PETERS, ART LINDQUIST, BILL BICKLEY, DON MICKS, JOHNNY MULRENNAN, JAY GRAHAM, HARRY PRATT, TOMMY MULHERN, GEORGE CARMICHAEL, JACK ROGERS, GLEN COLLETT, BOB ALTMAN and HAROLD CHAPMAN. At the final business meeting President BRUCE FRANCY handed the gavel to incoming President LEW NIELSEN with President-elect PAUL HUNT and Vice-President GLENN STOKES in attendance.

Next year's meeting will be held jointly with the Illinois Mosquito Control Association at the Pick Congress Hotel in Chicago on 18-21 April 1978, followed, as you may see elsewhere, in 1979 by Washington, D.C., 8-11 April, Salt Lake City 11-16 April 1980, 14-18 March 1981 in San Antonio, California in 1982, and Florida 27 February-2 March 1983. You may note that California's date has not been finally set. Water, you know. We're hoping it will RAIN by the end of March 1982, so the meetings may have to be held a bit late.

WE HAVE THIS RECURRING NIGHTMARE, YOU KNOW. THE ANNUAL MEETINGS HAVE COME AND GONE AND SOMETHING UNAVOIDABLE HAS PREVENTED US FROM ATTENDING (as it did this year) and NOBODY writes us *anything* about it and we sit there wondering what on earth we will put into the June issue. But fortunately, we always wake up to find that HARRY PRATT has ridden up (bless him) waving the magic paper that saves us. THIS year we really nearly had heart failure and put off sending anything in until WAY past the deadline, but sure enough, Harry hadn't failed us. He'd written right away (in MARCH). . . . and boy! are we ever grateful!

Some of you other nice people have gone so far as to thank us in your Newsletters for mentioning you in these pages and we do appreciate all the nice things you've said, but mention here isn't really a favor we'll

doing YOU, you understand, We don't make all this UP. It's only because YOU WRITE US, you know. That's really what this is all about.

TOMMY MULHERN, who sends us news, too, as you may have noted, reported at the Business Meeting on the continuing growth and health of our AMCA and we were proud to read (as will be published in MN in a later issue) that MOSQUITO NEWS continues to be the most highly respected journal around the world on the subject of mosquitoes, that MOSQUITO SYSTEMATICS is forging ahead and will soon be self-supporting and the AMCA NEWS LETTER is winning continued plaudits from its wide readership. We continue to stand in awe of all the things accomplished by Tommy and his staff, including his attendance at regional and state association meetings to promote stronger mutual ties among us. As we write this, TOMMY is winging his way (to coin a phrase) to San Salvador for some six weeks during which we surmise PAHO will find itself very active and also during which we trust El Salvador will remain geologically INactive.

NOT THAT PAHO ISN'T ALWAYS ACTIVE! MILT TINKER, for instance, HAS LEFT SAN SALVADOR FOR BOGOTÁ, COLOMBIA, long famed as one of the most beautiful and civilized cities of the Western Hemisphere. He went in February as part of a team headed by Dr. Luis Jorge Uribe to work on the ecology and control of *Aedes aegypti* in the Americas.

LAST ISSUE, WE MENTIONED THE SIXTEENTH ANNUAL CONFERENCE OF THE NORTHWEST MOSQUITO AND VECTOR CONTROL ASSOCIATION in Corvallis, Oregon, last October, but we didn't mention something of importance (because we didn't know). FRED REYNOLDS, a charter member and founder of the NMVCA, was made an honorary member in recognition of his over 20 years' service to mosquito control by a unanimously approved resolution offered by BRAD ANDERSON, who was then Secretary. BRAD sent us the minutes of the meeting from the Contra Costa (Calif.) MAD, where he is now Manager. (That's 1330 Concord Avenue, Concord, Calif. 94520.) The NMVCA *Vector News* also notes the availability of two U.S. Naval Research movies on monomolecular surface films recently in the news as mosquito larvicides that have minimal effect on other animal life. The *News'* address is 135 E. 6th Avenue, Eugene, Oregon, and they'll send you further information; or, get in touch with your nearest Navy entomologist.

BOB SJOGREN, AS SOME OF YOU WHO WERE IN NEW ORLEANS MAY HAVE HEARD, HAS BEEN DIRECTING WORK ON AN ENVIRONMENTAL IMPACT STATEMENT MANDATED BY THE STATE OF MINNESOTA. He said it was a real experience (remembering that not all experience is pleasant but it's all educational). "I feel the

product will be of substantial value for mosquito control across the United States as it will naturally include some technical areas of similarity," he added. In addition to information from his own Metropolitan Mosquito Control District in St. Paul (Minnesota), input from some of the top managerial and technical authorities across the nation was obtained by Dr. Sjogren, to place the use of insecticides in proper perspective.

BRUCE EZELL HAD SOME COMMENTS ABOUT HOW TO DO MOSQUITO CONTROL IN WINTER WHICH (NOW THAT IT IS SUMMER) SOME OF US MAY WISH WE HAD THOUGHT OF AND WANT TO MAKE A NOTE TO DO NEXT YEAR! "Winter is a time of preparation for both man and mosquitoes for the upcoming season. I believe that it can be fairly stated that our successes (or lack of success) for the summer months may well be determined by what mosquito control workers do in the winter," Dr. Ezell wrote.

"First of all, public information programs are usually all but abandoned in the winter. The first of the year is usually a time when many civic clubs actually need interesting programs. Plan now to put together a slide-illustrated talk on the work of your group of mosquito control. Winter is also an excellent month (sic! Remember . . . Bruce lives in South Carolina. But since he wrote that, Bruce may have learned what people further north mean when they say they have July and winter for their two seasons!) to plan mosquito ecology lessons for use in public school programs. Those of us concerned with mosquito control have no right to complain about a 'lack of understanding' regarding our control efforts if we do little to inform the public about the importance of insects. Along these same lines, I also feel that as responsible biologists all of us should also point out some of the positive beneficial effects of insects in general (as pollinators, food for other creatures, sources of honey, etc.). Any public information effort should give the reader a balanced approach and not a 'Snow-Job!'"

VMCA AND MID-ATLANTIC MCA HELD THEIR JOINT MEETING IN WILLIAMSBURG (VIRGINIA) in March, at the Bonhomme Richard Inn and it covered their customary wide range of interests, from ditching to airborne ULV, with discussions of wildlife management, dog heartworm, vector-borne disease in Latin America and the "Trick of Compiling Mosquito Control Literature," this last by our HELEN SOLLERS-RIEDEL, the others by O. FLORSCHUTZ, BILL BICKLEY and DON SCHLIESSMANN, respectively. *Sheeter*, which told us this, had an extremely complicated map of possible highway approaches to Williamsburg which sure jarred our "50-years-ago-today" memory of Williamsburg with only three roads . . . one to Richmond, one to Newport News and one to *Jamestown*.

SKEETER ALSO POINTED OUT THAT PRESIDENT CARTER'S MAN HAMILTON JORDAN started out as a summer mosquito-control type, and still wears Navy pea-jackets and scruffy boots by preference. As *Sheeter* says, we all

knew mosquito control was good training for just about *everything*.

HELEN S-R, BY THE WAY, RECEIVED AN AWARD OVER A YEAR AGO WHICH SHE KEPT TO HERSELF UNTIL IT WAS PUBLISHED IN THE PROCEEDINGS OF THE NEW JERSEY MOSQUITO EXTERMINATION ASSOCIATION this past March (Proc. 63, 1976). It said, "This award is presented to HELEN SOLLERS-RIEDEL in recognition of her many valuable contributions to the annual meetings of the New Jersey Mosquito Control Association which have brought knowledge not only to the participants in these annual meetings but also to mosquito workers throughout the world through the Proceedings of this Association. Mrs. Sollers-Riedel's annual review on mosquitoes and diseases throughout the world and more lately her Supplements to the annual Proceedings represent in the highest degree the education goals that have long been a fundamental part of this Association." Well, we sure congratulate them both!

And that's not an ad. But THIS is. Helen's 1974 Annual Review is now off the press as NJMCA Proceedings 62, Supplement 1975, and her 1975 Annual Review will be off the presses in December of this year, as Supplement 1976. Postage with orders, please, and Standing Orders receive a DISCOUNT. (But don't discount the value of these Reviews!)

ALAN STONE'S SEVENTY-THIRD BIRTHDAY LAST JANUARY WAS MARKED BY THE PUBLICATION of a special set of papers as a "Stone Festschrift," a party in the National Museum of Natural History and letters of greeting from his multitude of friends and admirers, well wishers and hopeful imitators, these categories being synonymous and co-extensive.

AND A FURTHER PUBLICATION OF INTEREST IS REPORTED BY THE NATIONAL ACADEMY OF SCIENCES: *Insect Control in the People's Republic of China*, a Trip Report of the American Insect Control Delegation. This distinguished group, which spent a month visiting laboratories, universities and communes and meeting with various scientific and political leaders, included Dr. Bob Metcalf, known to many in AMCA.

DON JOHNSON SENT WORD IN FEBRUARY OF THE SAD DEATH OF R. WAKTOEDI KOESOEMAWINGOEN last November, at the age of 77, in Java, Indonesia. Mr. Waktoedi, a long-time Exchange Member and known to many AMCA'ers by his work if not in person, was author of many publications dealing with mosquitoes in Indonesia including an atlas of the anophelines, published in 1948 in Indonesian and republished in English in 1949 as "Illustrated Map of the Anopheline Imagines of Indonesia," with W. J. Stoker. Don added, "Mr. Waktoedi was a dedicated entomologist and teacher. He was on the Ministry of Health staff and associated with malaria control activities all of his professional life. Even after his retirement, he continued to work, studying the mosquitoes of Indonesia at the Department of Biology, Institute of Technology, at Bandung, where he was also guest lecturer in medical entomology.

"A recipient of *Mosquito News* subscriptions through the AMCA Good Neighbor Club for many years, Mr. Waktoedi always wrote to his sponsors expressing his deep gratitude for providing him with the subscription each year. Those of us who were so fortunate to have known and worked with Mr. Waktoedi will deeply miss him. His contributions, especially to the people of Indonesia, will long be remembered."

AND A NOTE ON BIMINI AND CAT CAY, NOTED FOR THEIR SWIMMING PLEASURES: imparted in no small measure by treatment with Abate granules and ULV Dibrom by GLENN STOKES and JOHN EINMO some time back. We tell you this, not to provide an ad for the proprietaries but so you'll know *whom* to thank if you went there swimming to escape those frigid temps this past winter!

WHILE WE'RE SPEAKING OF WEATHER, THOSE OF YOU WHO'VE BEEN READING ABOUT THE DROUGHT IN CALIFORNIA MAY WONDER why source reduction is a worry to the likes of GIL CHALLET down in Orange County and FRED ROBERTS up in Alameda. Well, it's like this. . . . folks've been putting out GARBAGE CANS and stuff to catch rainwater, and hoarding their GREY WATER to put on the lawn and like that. And there hasn't been much flushing of marshes and folks are tending to DAM UP the surface water. And guess what likes to breed in impounded water and water containers? You're so RIGHT!

NOT THAT OUR BOYS WERE CAUGHT UNAWARES! They'd been doing their winter work, as Bruce Ezell advised back there, and meeting like crazy with citizens' groups, Corps of Engineers, Planning Departments and media. (That middle one took a lot of work on the parts of EARL MORTENSEN, REUBEN JUNKERT and MARVIN KRAMER, and EMBREE METZGER, incidentally but it established a CONCEPT.) And there was a lot of discussion at the California Mosquito Control Association meetings that GEORGE STAINS chaired at Palm Springs in February. And an article in *Dawn* magazine, by FRED BEAMS.

EVERYBODY KNOWS THAT UP IN THE ARTIC, LIKE ALASKA, MOSQUITOES ARE TERRIBLE BUT THEY'RE ONLY OUT ABOUT THREE WEEKS A YEAR . . . RIGHT? Uh, . . . no. BILL FROHNE wrote from Anchorage in mid-February to say that "the pussy-willows are out and shedding their yellow pollen already and, more impressive, the ravens are croaking, flying in pairs and, doubtless, starting their spring breeding." (This was way ahead of OURS in Northern California—Ed.) He'd had a call from an AP man to say mosquitoes were biting people in Anchorage and how come? Bill explained about overwintering *Culiseta impatiens*, and endured a bit of kidding from the academic types when the resultant AP dispatch came out. But Bill's seen them biting in Juneau in January, so it was no record.

Bill is teaching some classes and gets together with BILL BURGGOYNE who's stationed "only about 50 miles away." Bill had DICK GORHAM up to Fairbanks for a guest lecturer in one of his pest control courses a few months back.

THOSE OF YOU WHO HAVE WONDERED HOW TO BACK UP ANY OPINIONS YOU HAD ON THESE SO-CALLED "ELECTRONIC" MOSQUITO REPELLERS the gadget houses have been selling like mad (and at a good price), can now wave the May/June issue (but it's 1976) of *California Vector Views*, which has just come to our hand. It's an article by Richard Garcia, et. al., of the Division of Biological Control of the University's Department of Entomology, entitled, "Evaluation of Electronic Mosquito Repellers Under Laboratory and Field Conditions," and the verdict: no significant repellent action.

DR. A. F. OGUNRINADE OF THE UNIVERSITY OF IBADAN, NIGERIA, MADE A FASCINATING OBSERVATION, WHICH HE HAS SENT US FROM HIS PRESENT ADDRESS AT THE SCHOOL OF HYGIENE AND TROPICAL MEDICINE in London.

During a storm at the beginning of a rainy season in April, 1976, a tree (identified as *Spathodea campanulata* by the Department of Botany of the University), fell in the staff residential area. There were two holes caused by rot in the trunk of the fallen tree. Ten days later, insect larvae were noted in one of the holes and it was extensively examined. The hole was 44 cm. in diameter and 20 cm. deep, oval in shape and it contained rotten wood material which was wet.

Emergence traps were then set over the hole to capture adults for identification. Three days later, 2 female *Culex quinquefasciatus* and 4 *Culicoides nigeriae* were collected. Counts were continued twice weekly and a total of ten *Culex* and 6 *Culicoides* were collected. No other *Culicoides* species were caught.

The ecological habitat of *Cx. quinquefasciatus*, the vector of *Wuchereria bancrofti* in Ibadan, had previously been investigated in Ogunda in 1971 and large drains, soakage pits and pit latrines were recorded. The significance of tree-holes as breeding sites for this mosquito is not known but in addition to the emergence described, several larvae were found in the rotten wood material. There were similar big trees in the patches of forest surrounding the houses where the tree fell and there were also open drains. Certainly, the tree-hole situation would seem to be most unusual.

Heretofore, only *Culicoides acraensis* has been reported to be a tree-hole breeder. This is thus the first time that *C. nigeriae* has been found to be a tree-hole breeder anywhere in the world. The association of the breeding site with human dwellings may be of interest inasmuch as some *Culicoides* species are known to breed in close association with animal pens, but it is not known whether *C. nigeriae* can utilize other ecological habitats for its breeding.

Two startling firsts for Dr. Ogunrinade!